

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hirofumi MURATANI

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: DIGITAL WATERMARK EMBEDDING APPARATUS AND METHOD, AND DIGITAL WATERMARK ANALYSIS APPARATUS, METHOD AND PROGRAM

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Marvin J. Spivak

Registration No. 24,913

C. Irvin McClelland
Registration Number 21,124



22850

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STATEMENT OF RELEVANCY

Reference AO (2001-285623) of Form PTO-1449:

This publication is referred to in the specification. See page 4, line 27.

Reference AW of Form PTO-1449:

This paper discloses methods constructing fingerprinting codes robust against a collision attack. However, code lengths of the codes are very huge.

This publication is referred to in the specification. See page 4, line 20.

Reference AX of Form PTO-1449:

This publication is referred to in the specification. See page 52, line 12.

Reference AY of Form PTO-1449:

This paper discloses a method reducing the code length of the fingerprinting code drastically.

This publication is referred to in the specification. See page 4, line 27.

Reference AZ of Form PTO-1449:

This publication is referred to in the specification. See page 37, line 4.

Reference AAA of Form PTO-1449:

This publication is referred to in the specification. See page 44, line 7.

Reference AAB of Form PTO-1449:

This publication is referred to in the specification. See page 44, line 21.

Reference AAC of Form PTO-1449:

This publication is referred to in the specification. See page 52, line 4.

Reference AAD of Form PTO-1449:

This publication is referred to in the specification. See page 52, line 6.

Reference AAE of Form PTO-1449:

This publication is referred to in the specification. See page 52, line 10.

Reference AAF of Form PTO-1449:

This publication is referred to in the specification. See page 45, line 6.

Reference AAG of Form PTO-1449:

This publication is referred to in the specification. See page 52, line 18.

Reference AAH of Form PTO-1449:

This publication is referred to in the specification. See page 17, line 26.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 241983US2SRD		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hirofumi MURATANI			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	2001-285623	10/12/01	Japan			X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	Dan BONEH, et al., "COLLUSION-SECURE FINGERPRINTING FOR DIGITAL DATA", Advance in Cryptology: Proceedings of CRYPTO'95, Springer-Verlag, 1995, pgs. 452 - 465.					
	AX	R. SAFAVI-NAINI, et al., "COLLUSION SECURE q-ary FINGERPRINTING FOR PERCEPTUAL CONTENT", Workshop on Security and Privacy in Digital Rights Management 2001, November 21, 2001, pgs. 1 - 18.					
	AY	Hirofumi MURATANI, "A COLLUSION-SECURE FINGERPRINTING CODE REDUCED BY CHINESE REMAINDERING AND ITS RANDOM-ERROR RESILIENCE", Information Hiding Proceedings of the 4 th International Workshop, IH 2001, pgs. 303 - 315, 2001.					
	AZ	Joe KILIAN, et al., "RESISTANCE OF DIGITAL WATERMARKS TO COLLUSIVE ATTACKS", NEC Research Institute, Technical Report TR-585-98, 1998, pgs. 1 - 23.				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	Yacov YACOBI, "IMPROVED BONEH-SHAW CONTENT FINGERPRINTING", Topics in Cryptology - C-RSA 2001, pgs. 378 - 391, 2001.					
	AAB	Dan BONEH, et al., "COLLUSION-SECURE FINGERPRINTING FOR DIGITAL DATA", IEEE Transactions on Information Theory, Vol. 44, No. 5, September 1998, pgs. 1897 - 1905.					
	AAC	Benny CHOR, et al., "TRACING TRAITORS", Advances in Cryptology-CRYPTO'94, LNCS 839, 1994, pgs. 257 - 270.					
	AAD	Henk D. L. HOLLMANN, et al., "ON CODES WITH THE IDENTIFIABLE PARENT PROPERTY", Journal of Combinatorial Theory, Series 82, 1998, Article No. TA972851, pgs. 121 - 133.					
	AAE	J. N. STADDON, "COMBINATORIAL PROPERTIES OF FRAMEPROOF AND TRACEABILITY CODES", 2000, pgs. 1 - 4.					
	AAF	Hirofumi MURATANI, "COMBINATORIAL OUTER CODES FOR c-SECURE CRT CODES", SCIS2002, 13D-3, 2002, (6 pgs)					
	AAG	Hirofumi MURATANI, et al., "COLLUSION RESILIENCE OF DIGITAL WATERMARKING", SCSi 2000, C06, 2000, pgs. 1 - 8.					
	AAH	"FOUNDATION OF WATERMARKING", written by Kineo Matsui and Published 1998, by Morikita Publishing Company, (31 pgs)					
	AAI						
	AAJ						
	AAK						
	AAL						
	AAM						
	AAN						
	AAO						
	AAP						
	AAQ						
Examiner						Date Considered	
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LIST OF RELATED CASES

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/ Applicant</u>
197111US2SRD	09/658,565	09/08/00	MURATANI
233237US2SRD	10/351,477	01/27/03	MURATANI